ABSTRACT OF THE DISCLOSURE

A cordless Venetian blind structure includes a lower beam having a pair of clamps securely sealed at both ends thereof for a left and a right retaining cords to be held thereby before pivotally led through the bottom of the lower beam to be tied up to a windowsill for location thereon. A retaining unit and a control unit are mounted to the middle section of the lower beam respectively with the control unit limited by the retaining unit in pushing operation. A control cord pivotally led through the retaining unit and the control unit respectively at the middle section is attached to the clamps by both ends thereof. In operation, the control unit is pushed inwards to draw in the control cord by both ends and compress spring elements disposed at the clamps therein so as to release the retaining cords from the clamps for adjusting the Venetian blind up or down into a proper position. When the pushing force applied is removed, the clamps are bounced back, clamping tight the retaining cords thereof so as to relocate the Venetian blind at the proper position under the best using condition thereof. Moreover, a pair of coupling bodies can also be attached at both ends of the lower beam thereof with the same effect thereof.